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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/832,899A

DATE: 08/17/2001

TIME: 14:21:47

Input Set : A:\032751-052.ST25.txt

Output Set: N:\CRF3\08172001\I832899A.raw

ENTERED

4 <110> APPLICANT: Balloul, Jean-Marc  
5 Paul, Stephane  
7 <120> TITLE OF INVENTION: Poxvirus With Targeted Infection Specificity  
9 <130> FILE REFERENCE: 032751-052  
11 <140> CURRENT APPLICATION NUMBER: US 09/832,899A  
12 <141> CURRENT FILING DATE: 2001-04-12  
14 <150> PRIOR APPLICATION NUMBER: US 60/246,080  
15 <151> PRIOR FILING DATE: 2000-11-07  
17 <160> NUMBER OF SEQ ID NOS: 21  
19 <170> SOFTWARE: PatentIn version 3.1  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 24  
23 <212> TYPE: DNA  
24 <213> ORGANISM: Artificial Sequence  
26 <220> FEATURE:  
27 <223> OTHER INFORMATION: PCR primer to amplify the MVA 138L gene and flanking region  
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31 cagactggac ggcgtccata tgag 24  
35 <210> SEQ ID NO: 2  
36 <211> LENGTH: 61  
37 <212> TYPE: DNA  
38 <213> ORGANISM: Artificial Sequence  
40 <220> FEATURE:  
41 <223> OTHER INFORMATION: antisense PCR primer to amplify the 3' end of MVA 138L gene  
and  
42 3' flanking region  
44 <220> FEATURE:  
45 <221> NAME/KEY: gene  
46 <222> LOCATION: Complement((1)..(61))  
47 <223> OTHER INFORMATION:  
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55 <210> SEQ ID NO: 3  
56 <211> LENGTH: 61  
57 <212> TYPE: DNA  
58 <213> ORGANISM: Artificial Sequence  
60 <220> FEATURE:  
61 <223> OTHER INFORMATION: PCR primer to amplify E. coli gpt gene and H5R promoter  
63 <220> FEATURE:  
64 <221> NAME/KEY: gene  
65 <222> LOCATION: (1)..(61)  
66 <223> OTHER INFORMATION:  
68 <400> SEQUENCE: 3  
69 taatatctgg taagaatcac gatggtactc ccgggatctt ttattctata cttaaaaaat 60  
71 g 61  
74 <210> SEQ ID NO: 4  
75 <211> LENGTH: 35

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76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: antisense PCR primer to amplify E. coli GPT gene and pH5R
81     promoter
83 <400> SEQUENCE: 4
84 ggggtaatt aaggaagta aaaagaacaa cgccc                      35
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 38
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: PCR primer to amplify the upstream region of MVA 138L gene
97 <400> SEQUENCE: 5
98 gggggaattc gagcttatag cgtttagttc aggtacgg                  38
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103 <211> LENGTH: 44
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: antisense PCR primer to amplify the upstream region of the
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109     8L gene
112 <400> SEQUENCE: 6
113 ggggaagctt ttaaagtaca gattttagaa actgacactc tgcg          44
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118 <211> LENGTH: 68
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120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: antisense primer to amplify the upstream region of teh MVA
138L
124     gene
126 <400> SEQUENCE: 7
127 ggggaagctt caagagcggc acggctcccg ccgctgcgac gttcaggagg accaaggcaa      60
129 ccacgaac                                                    68
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134 <211> LENGTH: 31
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: PCR primer to amplify the MVA 138L gene and its downstream
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142 <400> SEQUENCE: 8
143 ggggaagctt atggacggaa ctcttttccc c                          31
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 37
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: antisense PCR primer to amplify the MVA 138L gene and its
154     downstream region

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158 gggggaattc gcttatcggt atcgggttta gcttctg          37
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163 <211> LENGTH: 68
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: PCR primer to amplify SM3 scFv sequence
171 <400> SEQUENCE: 10
172 cgcagagtgt cagtttctaa aatctgtact ttaaattggtg cagctgcagg agtctggagg      60
174 aggcttgg          68
178 <210> SEQ ID NO: 11
179 <211> LENGTH: 58
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181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: antisense PCR primer to amplify the SM3 scFv sequence
187 <400> SEQUENCE: 11
188 gatcgtcatc tccggggaaa agagttccgt ccatcagttt ggttcctcca ccgaacac          58
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 57
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: PCR primer to amplify the SM3 scFv sequence
201 <400> SEQUENCE: 12
202 cctgaacgtc gcagcggcgg gagccgtgcc gctcttggtg cagctgcagg agtctgg          57
206 <210> SEQ ID NO: 13
207 <211> LENGTH: 111
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: sequence of the synthetic pll7.5 promoter
215 <400> SEQUENCE: 13
216 ataaaaatat agtagaattt catttgtttt ttctatgct ataaatagga tccgataaag      60
218 tgaaaaataa ttctaattta ttgcacggtg aggaagtaga atcataaaga a          111
222 <210> SEQ ID NO: 14
223 <211> LENGTH: 53
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: PCR primer to amplify the pll7.5 promoter
231 <400> SEQUENCE: 14
232 gggggatccc ccgggctgca gaagcttttc ttatgattc tacttcctta ccg          53
236 <210> SEQ ID NO: 15
237 <211> LENGTH: 50
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:

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242 <223> OTHER INFORMATION: antisense PCR primer to amplify the pll<sub>k</sub>7.5 promoter

245 <400> SEQUENCE: 15

246 ggggggagat ctaagcttgt cgacataaaa atatagtaga atttcatttg 50

250 <210> SEQ ID NO: 16

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252 <212> TYPE: DNA

253 <213> ORGANISM: Artificial Sequence

255 <220> FEATURE:

256 <223> OTHER INFORMATION: synthetic sequence

259 <400> SEQUENCE: 16

260 gatggtgaca gggggaatgg caagcaagtg ggatctcgag ttgggtgact ttggtgacag 60

262 atactactgt gtttaag 77

266 <210> SEQ ID NO: 17

267 <211> LENGTH: 85

268 <212> TYPE: DNA

269 <213> ORGANISM: Artificial Sequence

271 <220> FEATURE:

272 <223> OTHER INFORMATION: synthetic sequence

275 <400> SEQUENCE: 17

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278 gccattcccc ctgtcaccat ctgca 85

282 <210> SEQ ID NO: 18

283 <211> LENGTH: 32

284 <212> TYPE: DNA

285 <213> ORGANISM: Artificial Sequence

287 <220> FEATURE:

288 <223> OTHER INFORMATION: PCR primer to amplify the 5' F13L flanking region of MVA

291 <400> SEQUENCE: 18

292 gagaggatcc gggatatctag ccacagtaaa tc 32

296 <210> SEQ ID NO: 19

297 <211> LENGTH: 32

298 <212> TYPE: DNA

299 <213> ORGANISM: Artificial Sequence

301 <220> FEATURE:

302 <223> OTHER INFORMATION: antisense PCR primer to amplify the 5' F13L flanking region

of

303 MVA

306 <400> SEQUENCE: 19

307 ttctgaattc ggaatctgta ttctcaatac cg 32

311 <210> SEQ ID NO: 20

312 <211> LENGTH: 33

313 <212> TYPE: DNA

314 <213> ORGANISM: Artificial Sequence

316 <220> FEATURE:

317 <223> OTHER INFORMATION: PCR primer to amplify the 3' F13L flanking region of MVA

320 <400> SEQUENCE: 20

321 atctgaattc gtggagatga tgatagtta agc 33

325 <210> SEQ ID NO: 21

326 <211> LENGTH: 34

327 <212> TYPE: DNA

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328 &lt;213&gt; ORGANISM: Artificial Sequence

330 &lt;220&gt; FEATURE:

331 <223> OTHER INFORMATION: antisense PCR primer to amplify the 3' F13L flanking region  
of

332 MVA

335 &lt;400&gt; SEQUENCE: 21

336 aacaggatcc cttatacatc ctgttctatc aacg

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/832,899A

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Input Set : A:\032751-052.ST25.txt

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